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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
N/C	INITIAL RELEASE	10-27-2022	N. RIEMENSCHNEIDER

NOTES:

1. VENDOR : HAMMOND MANUFACTURING
VENDOR P/N: 15898ESGY(GRAY), ALTERNATIVE P/N 15898ESGY(BLACK)
2. VENDOR: TEXMATE
VENDOR P/N: DI-602AE
INPUT: 0-200MV
DISPLAY: 0-7300 PSI
3. DC TO DC STEP UP CONVERTER BASED ON CHIP MT3608
SUGGESTED VENDOR: AMAZON
VENDOR P/N: B07RNBJK5F
LINK: [HTTPS://A.CO/D/E9WQP6R](https://a.co/d/E9WQP6R)
4. CONNECTOR TYPE GX 16-4
SUGGESTED VENDOR: AMAZON
VENDOR P/N: B07GZFGQDNS
LINK: [HTTPS://A.CO/D/GVOYOOS](https://a.co/d/GVOYOOS)
5. POWER ENTRY CONNECTOR RECEPTACLE IEC 320 C14 WITH BUILT IN SWITCH AND FUSE
SUGGESTED VENDOR: AMAZON
VENDOR P/N: B082ZFRV1B
LINK: [HTTPS://A.CO/D/GID7UOO](https://a.co/d/GID7UOO)
6. AC POWER CORD, NEMA 5-15P TO C13
SUGGESTED VENDOR: AMAZON
VENDOR P/N: B0002GRUIM
LINK: [HTTPS://A.CO/D/4L7FGXH](https://a.co/d/4L7FGXH)
7. 20 AWG 4 CONDUCTOR WIRE POWER CABLE
SUGGESTED VENDOR: AMAZON
VENDOR P/N: B07Y33GP7D
LINK: [HTTPS://A.CO/D/ITMFNZR](https://a.co/d/ITMFNZR)
8. STRAIGHT CONNECTOR SOLDER TYPE MS3116E8-4SW
9. LASER CUT OR MACHINE OUT OF CLEAR ACRYLIC
SUGGESTED VENDOR: MCMaster-CAR
VENDOR P/N: 4615T34
10. MATERIAL: PLA
MANUFACTURE PROCESS: 3D FDM PRINT
11. SUGGESTED VENDOR: MCMaster-CAR
VENDOR P/N: 92125A130
12. SUGGESTED VENDOR: MCMaster-CAR
VENDOR P/N: 94997A275
13. SUGGESTED VENDOR: MCMaster-CAR
VENDOR P/N: 94180A331
14. SUGGESTED VENDOR: MCMaster-CAR
VENDOR P/N: 91292A112
15. SUGGESTED VENDOR: MCMaster-CAR
VENDOR P/N: 91828A211
16. PART DIMENSION CONTROLLED BY 3D CADMODEL FILE NAME "607.5022.SLDPRT"
17. PART DIMENSION CONTROLLED BY 3D CADMODEL FILE NAME "607.5023.SLDPRT"
18. PART DIMENSION CONTROLLED BY 3D CADMODEL FILE NAME "607.5010 (FRONT).SLDPRT"
19. PART DIMENSION CONTROLLED BY 3D CADMODEL FILE NAME "607.5010 (BACK).SLDPRT"
20. PART DIMENSION CONTROLLED BY 3D CADMODEL FILE NAME "607.5021.SLDPRT"

21. ALL TOLERANCES AREA AS FOLLOWS UNLESS OTHERWISE NOTED: .XX ± .03
22. TOP OF F/N 1 NOT SHOWN FOR CLARITY
23. COUNTER SINK HOLES TILL F/N 7 SITS FLUSH WITH F/N 15
24. INSTALL F/N 14 FLUSH INTO F/N 9
25. INSTALL F/N 14 FLUSH INTO F/N 10
26. LASER ENGRAVE MARKINGS IN APPROXIMATE LOCATIONS
27. 1/2 SHRINKTUBING, MARINE GRADE WITH ADHESIVE
SUGGESTED VENDOR: AMAZON
LINK: [HTTPS://WWW.AMAZON.COM/DP/B07FPDBGYH](https://www.amazon.com/DP/B07FPDBGYH)
28. AFTER CONNECTOR IS SOLDERED TO CABLE, COVER END OF CONNECTOR AND CABLE WITH 2" SHRINK TUBING F/N 17

2 IN		17	607.5026	SHRINK TUBING		
	2	16	607.5025	M3X.5 NUT		
	4	15	607.5020	SOCKET HEAD SCREW M3X.5-8MM		
	7	14	607.5019	HEAT-SET INSERT M3X.5-3.8MM		
	REF	13	607.5018	PHILIPS SCREW M3X.5-13MM		
	5	12	607.5024	FLAT HEAD SCREW M3X.5-10MM		
	2	11	607.5023	BOOST CONVERTER CAP		
	1	10	607.5022	BOOST CONVERTER CASE		
	1	9	607.5021	BASE PLATE		
1		8	607.5017	CONNECTOR		
6 FT		7	607.5016	HARNESS CABLE MATERIAL		
	1	6	607.5015	POWER CORD		
	1	5	607.5014	POWER ENTRY CONNECTOR RECEPTICAL		
1	1	4	607.5013	CONNECTOR		
	1	3	607.5012	BOOST CONVERTER		
	1	2	607.5011	TEXMATE BOX		
	1	1	607.5010	INSTRUMENT ENCLOSURE		
X			607.5002	EXTERNAL WIRE HARNESS		
	X		607.5001	TRANSDUCER PRESSURE DISPLAY ASSY		
.5002	.5001	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 07-19-22		<div><div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300</div></div>	
		DRAWN BY E.CAHILL	CHECKER E.ANDERSSON		
DRAWING APPROVAL N.RIEMENSCHNEIDER 10-27-2022		NR			
CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°					
ROLLED		TRANSDUCER PRESSURE DISPLAY			
		SIZE B	CAGE CODE 07MZ6	DWG. NO. 607.5000	REV. N/C
		SCALE NONE		SHEET 1 OF 7	

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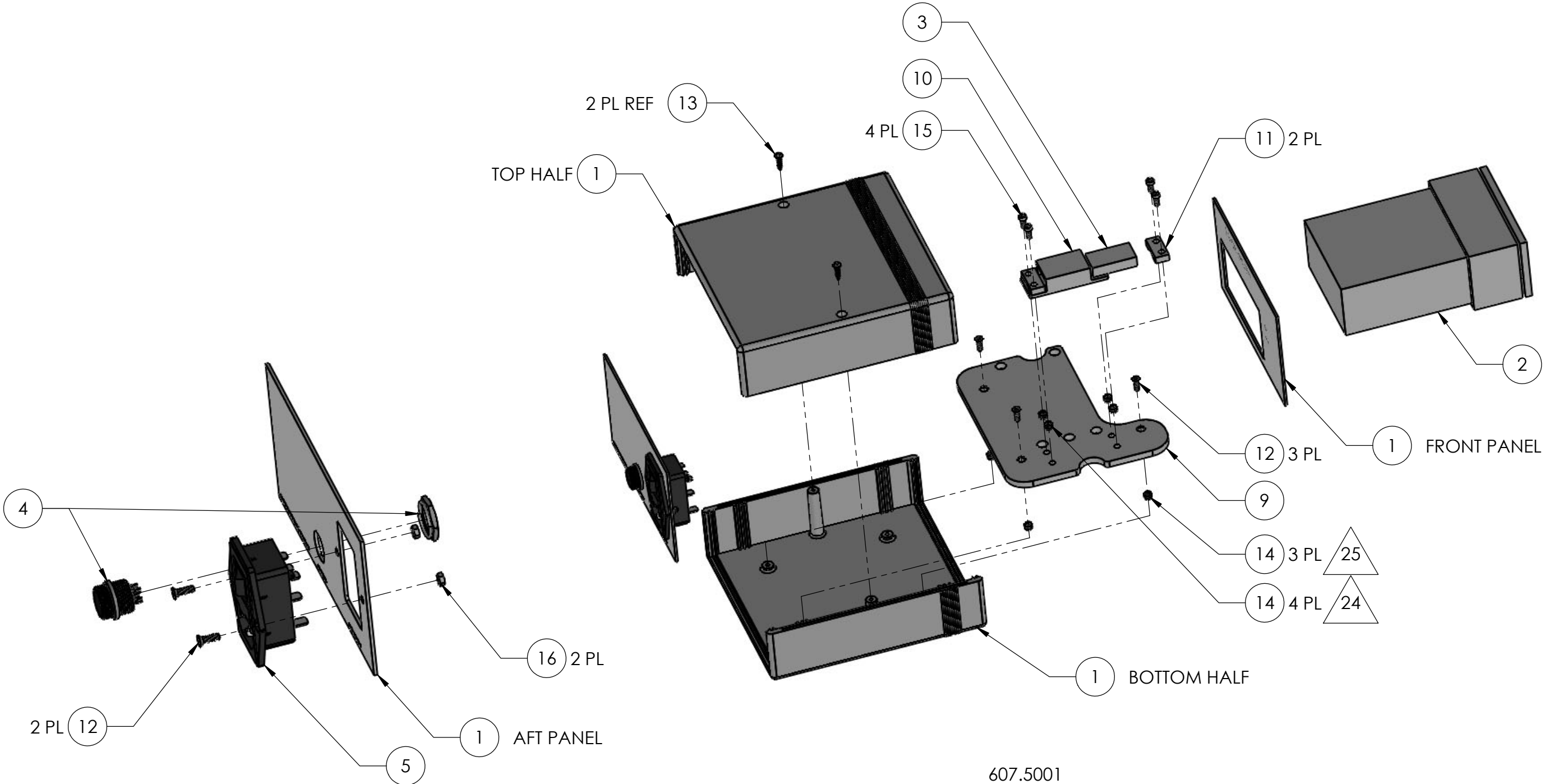
8

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DETAIL VIEW AFT PANEL

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3 PLACE DECIMALS ±.005
ANGLES ±.5°

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SCALE NONE		SHEET 2 OF 7	

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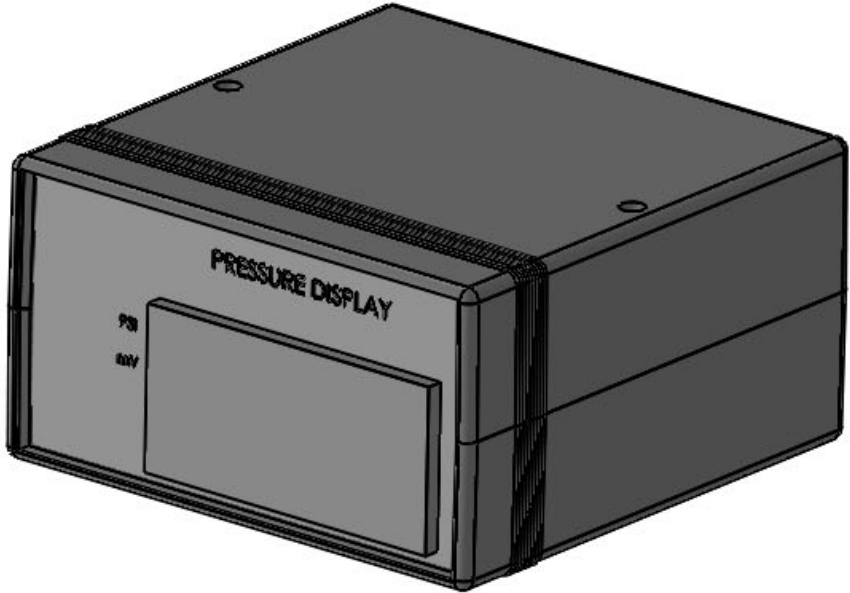
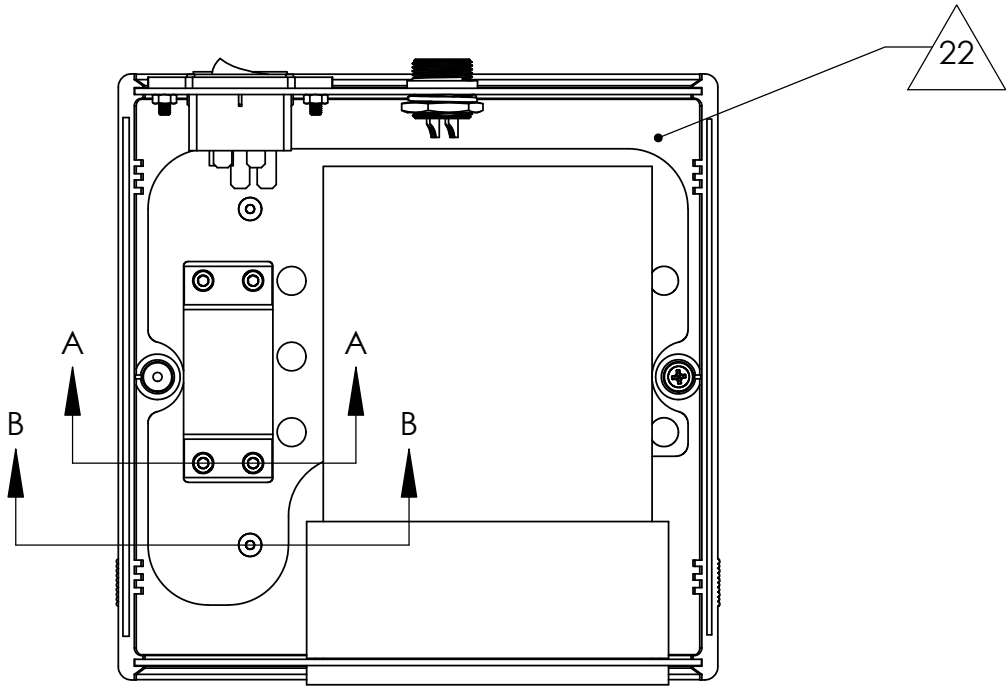
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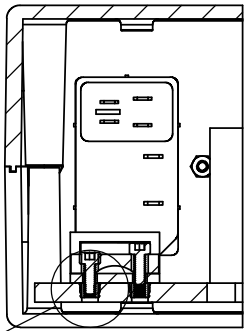
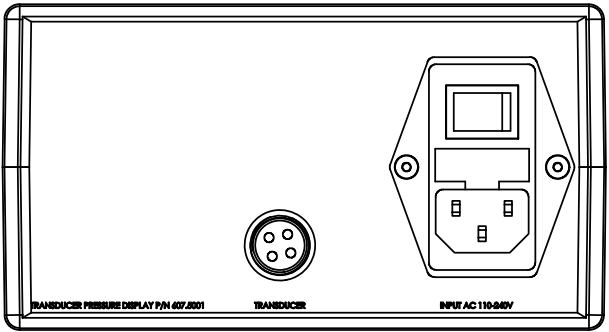
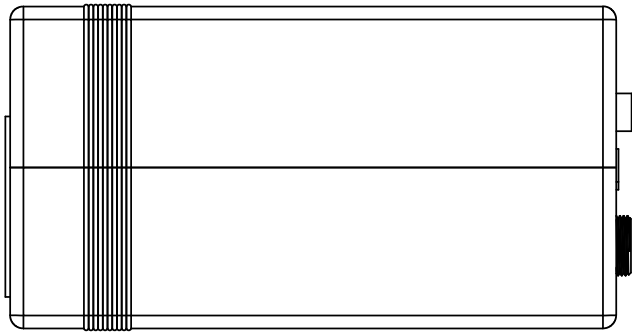
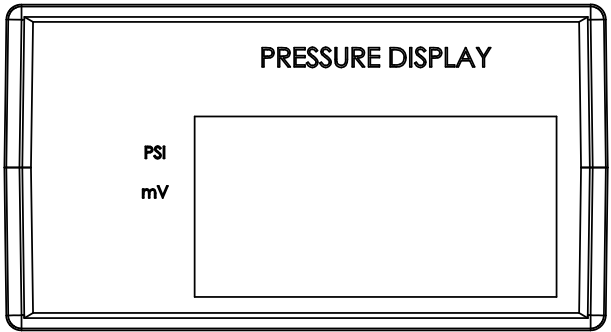
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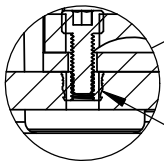
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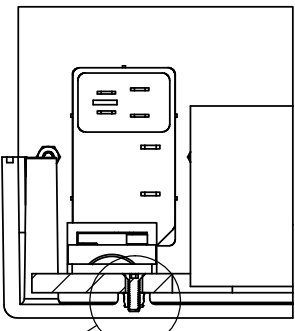
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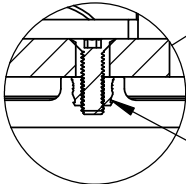
SECTION A-A



14 4 PL REF 24



SECTION B-B



14 3 PL REF 25

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SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	607.5000	N/C
SCALE NONE			SHEET 3 OF 7

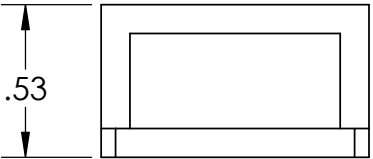
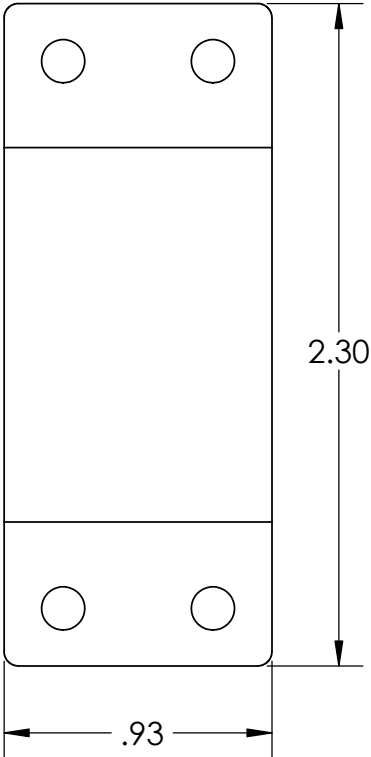
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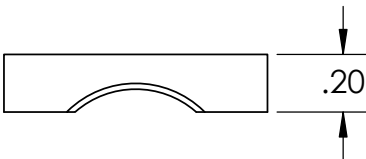
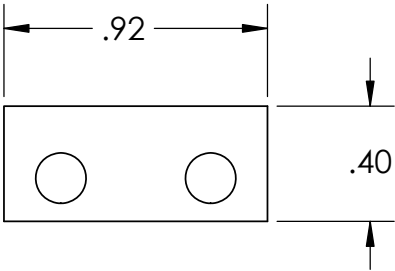
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607.5022 



607.5023 

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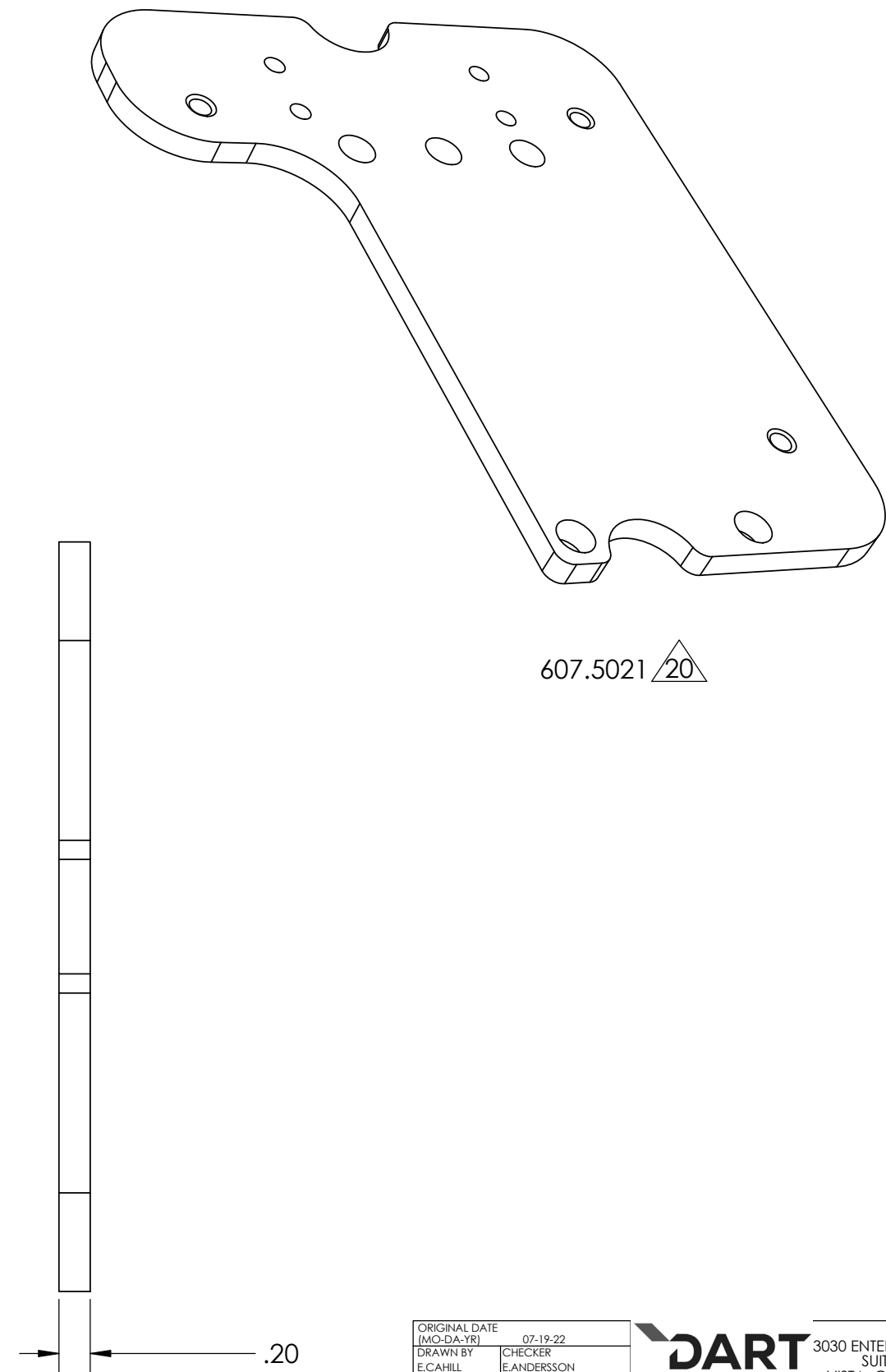
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SCALE NONE			SHEET 4 OF 7

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SIZE B	CAGE CODE 07MZ6	DWG. NO. 607.5000	REV. N/C
SCALE NONE		SHEET 5 OF 7	

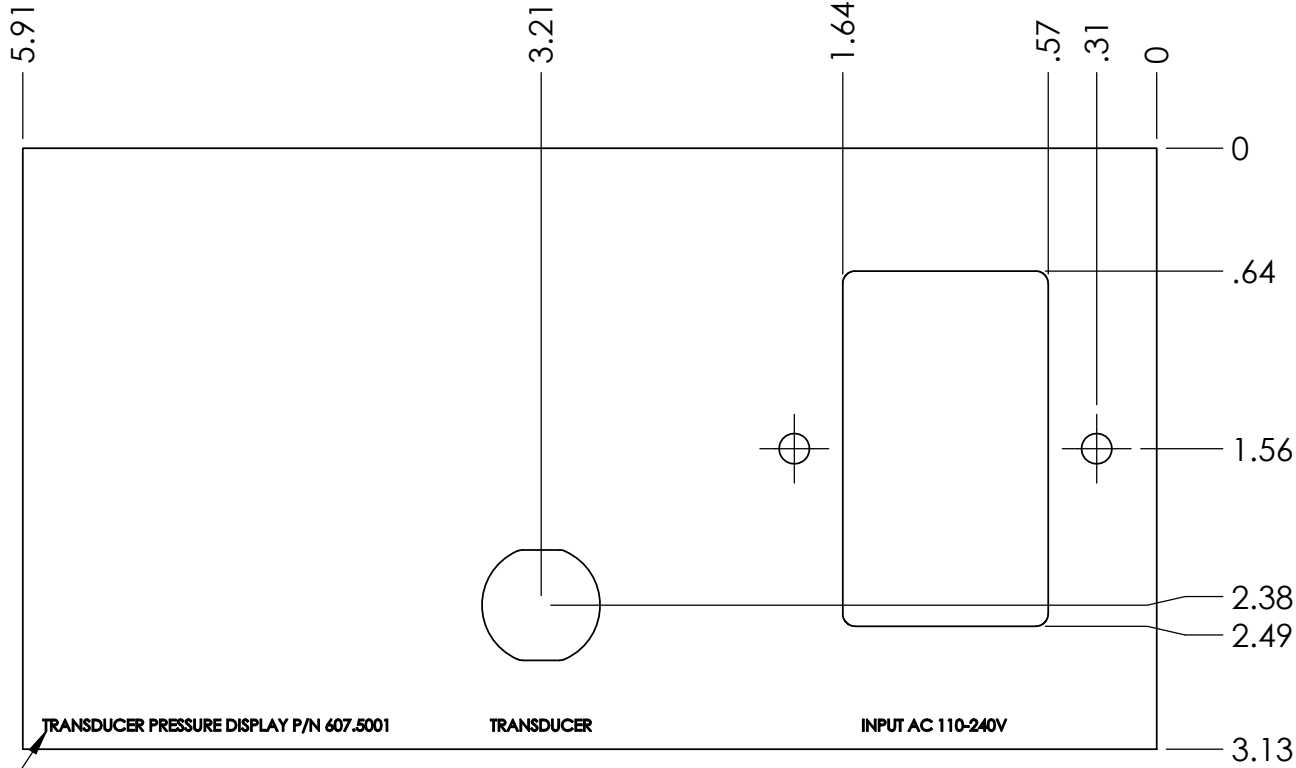
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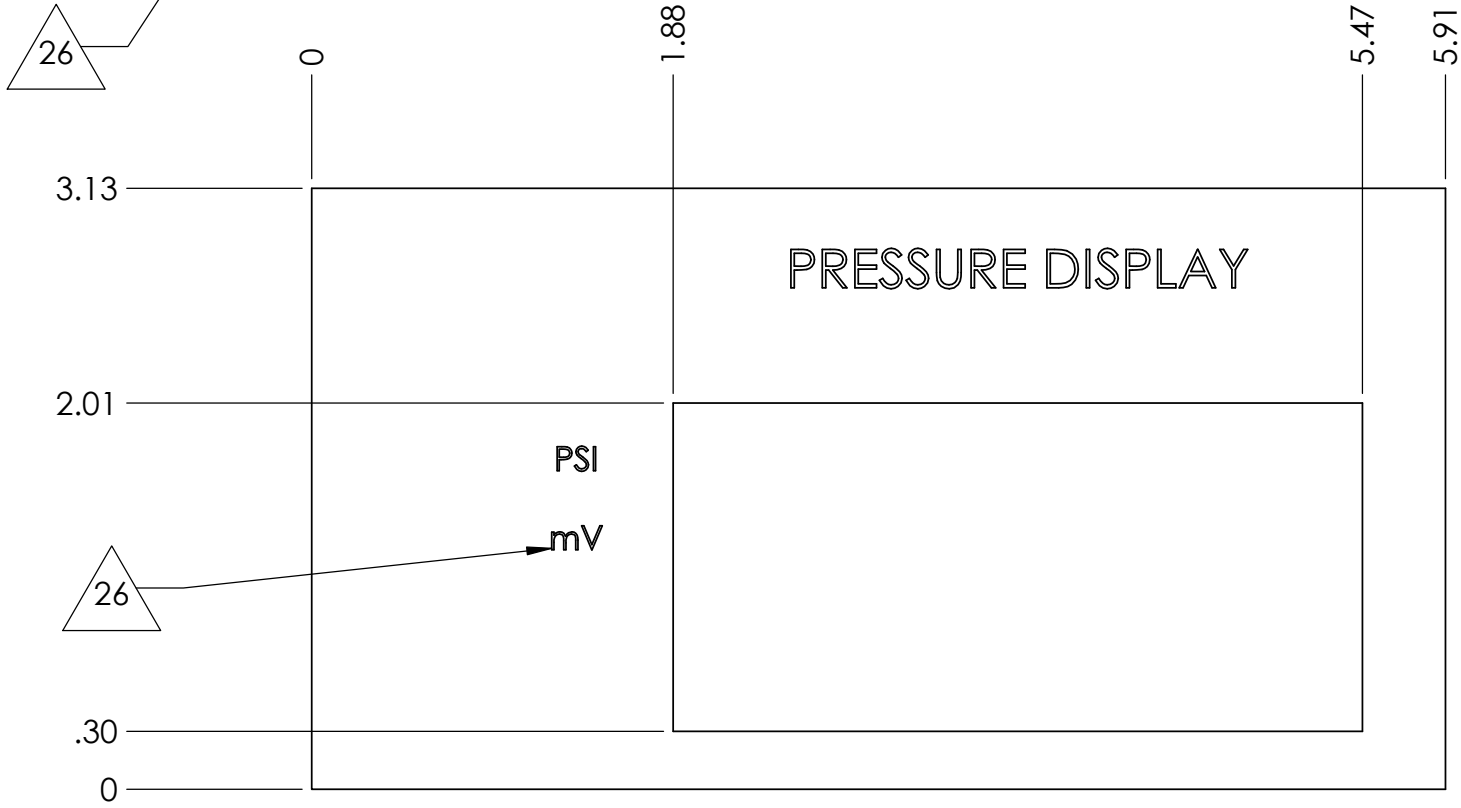
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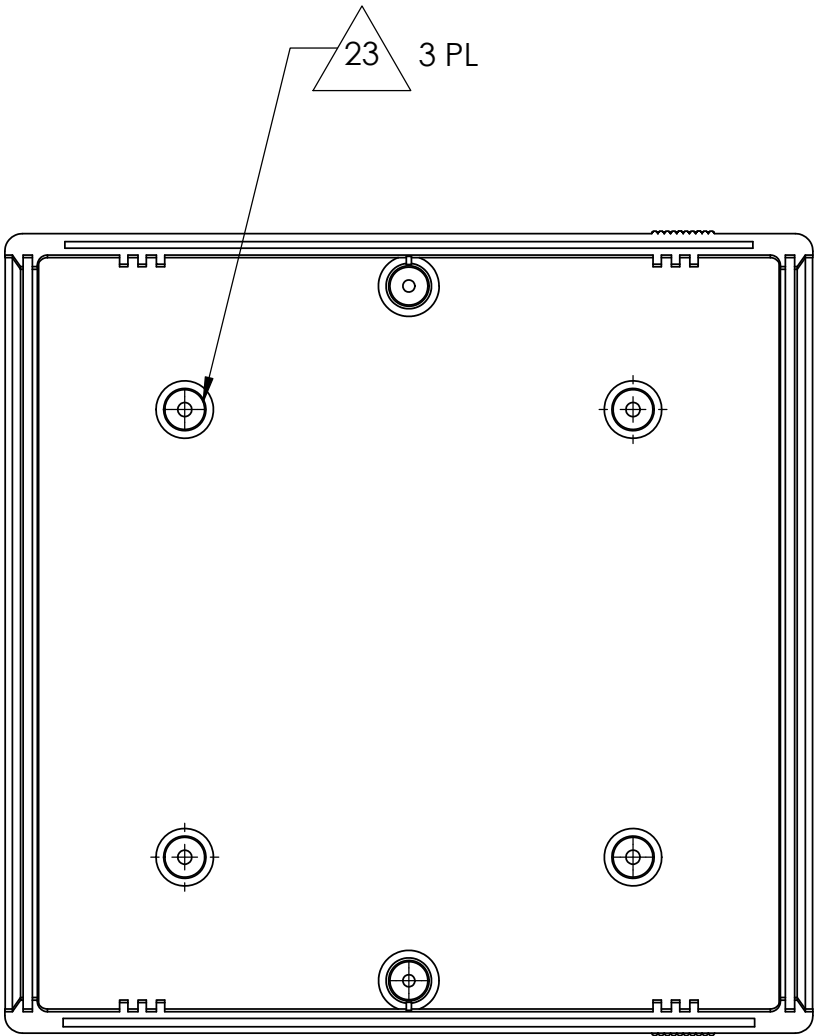
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607.5011 BACK PLATE 19



607.5011 FRONT PLATE 18



607.5011 BOTTOM BOX HALF

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ANGLES ± .5°

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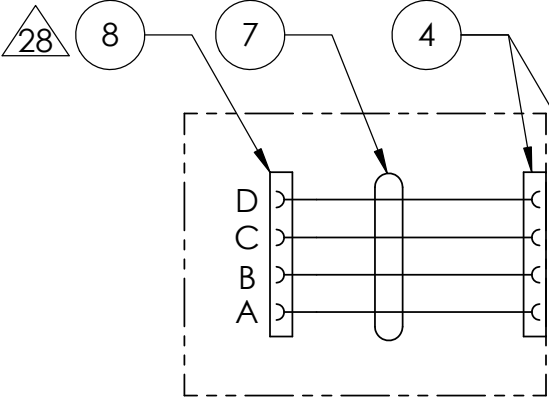
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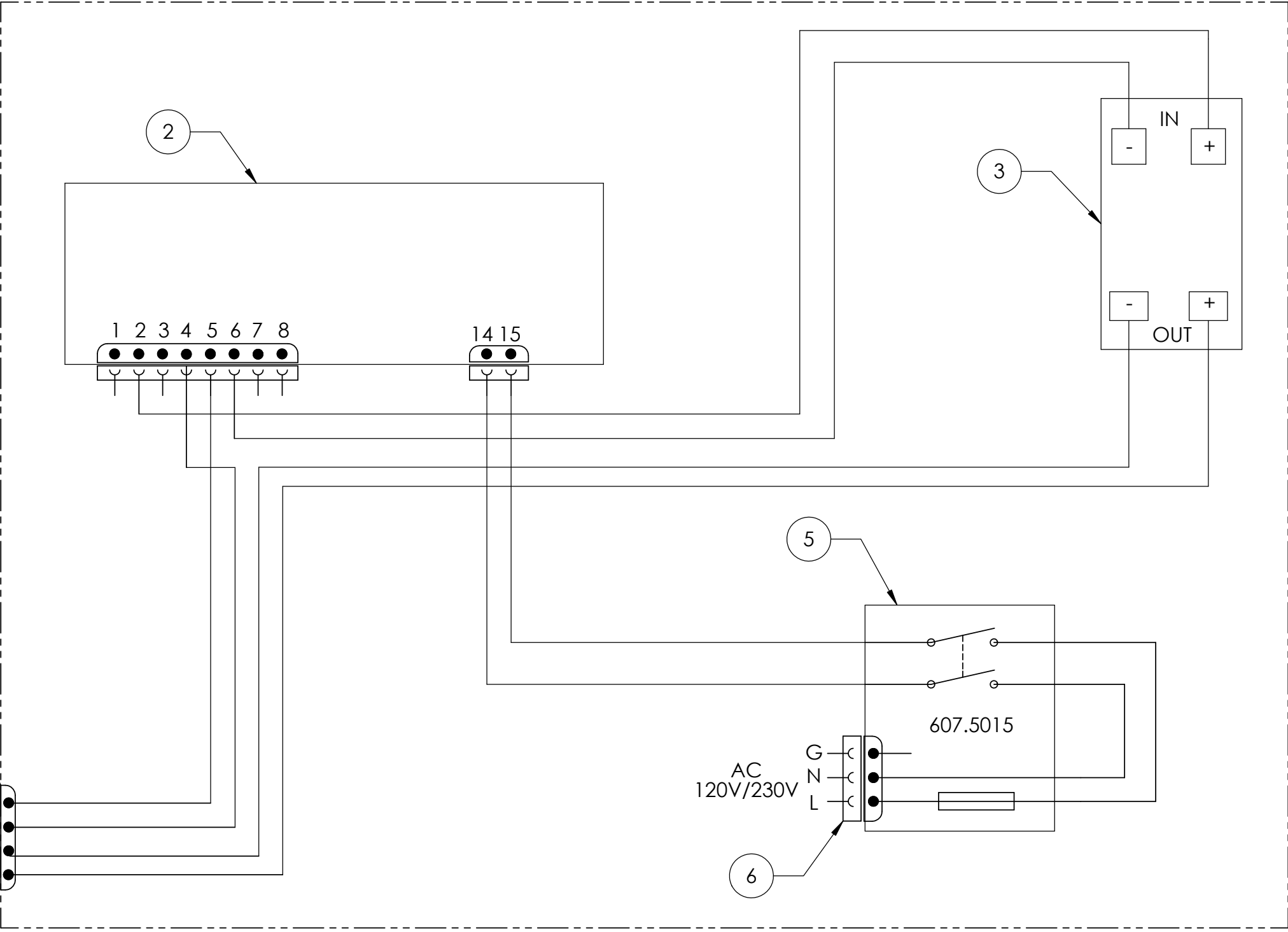
SIZE B	CAGE CODE 07MZ6	DWG. NO. 607.5000	REV. N/C
SCALE NONE	SHEET 6 OF 7		

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PIN OUT
A +10V OUT
B - OUT
C + SIGNAL IN(200 mV MAX)
D - SIGNAL IN



607.5002



607.5001

WIRING SCHEMATIC

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SCALE NONE	SHEET 7 OF 7		